BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements Road, Drain Removing resetting and covering slab in Ward No. 05

		Estimate Cost Rs.						8500000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2016-17	Cum							
	Desilting of Dains								
	Agrahara layout 7th Cross		1	200.00	0.40	0.30	24.00		
	11th Cross		2	75.00	0.40	0.30	18.00		
	15th Cross		2	75.00	0.40	0.30	18.00		
	16th Cross		2	75.00	0.40	0.30	18.00		
	17th Cross		2	75.00	0.40	0.30	18.00		
	For New Slab Drain								
	Agrahara layout 9th Cross		2	100.00	0.75	0.75	112.50		
	10th Cross		2	105.00	0.75	0.75	118.13		
	13th Cross		2	107.00	0.75	0.75	120.38		
	14th Cross		2	100.00	0.75	0.75	112.50		
	Muneshwara Layout Entrance		1	90.00	0.75	0.75	50.63		
	Culverts		6	6.20	2.10	1.20	93.74		
	For Flaging Course								
	Agrahara layout 7th Cross Balance		1X2	200.00	0.25	0.30	30.00		
	Agrahara layout 9th Cross		2X2	100.00	0.25	0.30	30.00		
	10th Cross		2X2	105.00	0.25	0.30	31.50		
	11th Cross		2X2	75.00	0.25	0.30	22.50		
	13th Cross		2X2	107.00	0.25	0.30	32.10		
	14th Cross		2X2	100.00	0.25	0.30	30.00		
	15th Cross		2X2	75.00	0.25	0.30	22.50		
	16th Cross		2X2	75.00	0.25	0.30	22.50		
	17th Cross		2X2	75.00	0.25	0.30	22.50		
							947.47	96.48	**91413.00**
	Basic Rate	82.00							
	Add 11% AD-HOC	9.02							
	Total	91.02							
	Area Weightage @ 6%	5.46							
	Total	**96.48**							
2	Removing B.S Slab of Drain and stacking Page No. 25/ Item No. 5.32/ PWD SR 2016-17	Sqm							
	Agrahara layout 7th Cross		1	200.00	1.65		330.00		
	11th Cross		2	75.00	1.65		247.50		
	15th Cross		2	75.00	1.65		247.50		
	16th Cross		2	75.00	1.65		247.50		
	17th Cross		2	75.00	1.65		247.50		
							1320.00		
	Deduct 25% Missing Slabs						330.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							990.00	72.95	**72220.00**
	Basic Rate	62.00							
	Add 11% AD-HOC	6.82							
	Total	68.82							
	Area Weightage @ 6%	4.13							
	Total	**72.95**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25/ Item No. 5.33/ PWD SR 2016-17	Sqm							
			Qty Vide Item No.3				990.00		
							990.00	**89.42**	**88527.00**
	Basic Rate	76.00							
	Add 11% AD-HOC	8.36							
	Total	84.36							
	Area Weightage @ 6%	5.06							
	Total	**89.42**							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2016-17	**Sqm**							
	Agrahara layout 9th Cross		2	100.00	1.65		330.00		
	10th Cross		2	105.00	1.65		346.50		
	13th Cross		2	107.00	1.65		353.10		
	14th Cross		2	100.00	1.65		330.00		
	Muneshwara Layout Entrance		1	90.00	1.65		148.50		
							1508.10	738.90	**1114342.00**
	Basic Rate	628.00							
	Add 11% AD-HOC	69.08							
	Total	697.08							
	Area Weightage @ 6%	41.82							
	Total	**738.90**							
5	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17	**Cum**							
	For Culverts		6	6.20	2.10	0.15	12.05		
	Agrahara layout 7th Cross Balance		1X2	200.00	0.25	0.15	15.00		
	Agrahara layout 9th Cross		2X2	100.00	0.25	0.15	15.00		
	10th Cross		2X2	105.00	0.25	0.15	15.75		
	11th Cross		2X2	75.00	0.25	0.15	11.25		
	13th Cross		2X2	107.00	0.25	0.15	16.05		
	14th Cross		2X2	100.00	0.25	0.15	15.00		
	15th Cross		2X2	75.00	0.25	0.15	11.25		
	16th Cross		2X2	75.00	0.25	0.15	11.25		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	17th Cross		2X2	75.00	0.25	0.15	11.25		
							133.85	5726.51	**766516.00**
	Basic Rate	4867.00							
	Add 11% AD-HOC	535.37							
	Total	5402.37							
	Area Weightage @ 6%	324.14							
	Total	**5726.51**							
6	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2016-17	cum							
	Culverts		6X2	6.20	0.60	0.50	22.32		
							22.32	4926.42	**109958.00**
	Basic Rate	4187.00							
	Add 11% AD-HOC	460.57							
	Total	4647.57							
	Area Weightage @ 6%	278.85							
	Total	**4926.42**							
7	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2016-17	**Sqm**							
	Culverts		6X2	6.20	0.50	0.45	16.74		
							16.74	**5888.88**	**98580.00**
	Basic Rate	5005.00							
	Add 11% AD-HOC	550.55							
	Total	5555.55							
	Area Weightage @ 6%	333.33							
	Total	**5888.88**							
8	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2016-17	**Sqm**							
	For Culverts		6	6.20	0.60		22.32		
	For Sides		6X2	6.20	0.23		17.11		
			6X2	1.65	0.23		4.55		
							43.99	**301.21**	**13249.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	256.00							
	Add 11% AD-HOC	28.16							
	Total	284.16							
	Area Weightage @ 6%	17.05							
	Total	**301.21**							
9	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2016-17	**cum**							
	Culverts		6X2	6.20	0.50	0.15	5.58		
	Vent Bed		6	6.20	0.60	0.15	3.35		
	For Flaging Course								
	Agrahara layout 7th Cross Balance		1X2	200.00	0.20	0.10	8.00		
	Agrahara layout 9th Cross		2X2	100.00	0.20	0.10	8.00		
	10th Cross		2X2	105.00	0.20	0.10	8.40		
	11th Cross		2X2	75.00	0.20	0.10	6.00		
	13th Cross		2X2	107.00	0.20	0.10	8.56		
	14th Cross		2X2	100.00	0.20	0.10	8.00		
	15th Cross		2X2	75.00	0.20	0.10	6.00		
	16th Cross		2X2	75.00	0.20	0.10	6.00		
	17th Cross		2X2	75.00	0.20	0.10	6.00		
							73.89	6214.80	**459199.00**
	Basic Rate	5282.00							
	Add 11% AD-HOC	581.02							
	Total	5863.02							
	Area Weightage @ 6%	351.78							
	Total	**6214.80**							
10	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2016-17	Sqm							
	Culverts		6X2	6.20		0.50	37.20		
							37.20	114.13	**4246.00**
	Basic Rate	97.00							
	Add 11% AD-HOC	10.67							
	Total	107.67							
	Area Weightage @ 6%	6.46							
	Total	**114.13**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	**Cum**							
	For Cuvlerts		6	6.20	1.80	0.23	15.40		
							15.40	7072.54	**108923.00**
	Basic Rate	6011.00							
	Add 11% AD-HOC	661.21							
	Total	6672.21							
	Area Weightage @ 6%	400.33							
	Total	**7072.54**							
12	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR	**Qtl**							
	0.90Ton/Cum		0.090	15.40			**1.39**	71310.20	**98841.00**
	Basic Rate	60607.00							
	Add 11% AD-HOC	6666.77							
	Total	67273.77							
	Area Weightage @ 6%	4036.43							
	Total	**71310.20**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
13	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 24/ Item No. 5.27/ PWD SR 2016-17	Sqm							
	For Flaging Course								
	Agrahara layout 7th Cross Balance		1X2	200.00		0.40	160.00		
	Agrahara layout 9th Cross		2X2	100.00		0.40	160.00		
	10th Cross		2X2	105.00		0.40	168.00		
	11th Cross		2X2	75.00		0.40	120.00		
	13th Cross		2X2	107.00		0.40	171.20		
	14th Cross		2X2	100.00		0.40	160.00		
	15th Cross		2X2	75.00		0.40	120.00		
	16th Cross		2X2	75.00		0.40	120.00		
	17th Cross		2X2	75.00		0.40	120.00		
							1299.20	1102.47	**1432334.00**
	Basic Rate	937.00							
	Add 11% AD-HOC	103.07							
	Total	1040.07							
	Area Weightage @ 6%	62.40							
	Total	**1102.47**							
14	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm							
	Agrahara layout 7th Cross Balance		1	200.00	0.90		180.00		
	Agrahara layout 9th Cross		2	100.00	0.90		180.00		
	10th Cross		2	105.00	0.90		189.00		
	11th Cross		2	75.00	0.90		135.00		
	13th Cross		2	107.00	0.90		192.60		
	14th Cross		2	100.00	0.90		180.00		
	15th Cross		2	75.00	0.90		135.00		
	16th Cross		2	75.00	0.90		135.00		
	17th Cross		2	75.00	0.90		135.00		
							1461.60	1856.67	**2713709.00**
	Data Rate	**1856.67**							
15	KSRRB M800-20: Tubular steel railing of medium weight steel channel (ISMC series) 100 mm x 50 mm :- providing, fixing and erecting 50 mm dia steel pipe railing in 3 rows duly painted on medium weight steel channels (ISMC series) 100 mm x 50 mm, 1.2 meter high above ground, 2m center to center, complete as per approved drawings as per specifications, MORTH specifications No. 808, No. 186/ Item No. 24.24/ PWD SR 2016-17	Rmtr							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Kattigenahalli Ashwathkatte		5	44.00			220.00		
			54	0.90			48.60		
							268.60	**1520.04**	**408283.00**
	Basic Rate	1434.00							
	Area Weightage @ 6%	86.04							
	Total	**1520.04**							
16	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				**947.47**		
							947.47	81.16	**76900.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2015-16 (P.118/I.17.1) For loading	68.00							
	Total	**73.12**							
	Add 11% AD-HOC	8.04							
		81.16							
							Grand Total		**7657240.00**
17	For 10% KRIDL Charges								**765724.00**
18	For 1% Labour Cess								**76572.00**
19	Miscesallaneous Charges	L/S							**464.00**
									8500000.00

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 06(Thanisandra)

Executive Engineer
Byatarayanapura Division

Assistant Executive Engineer
Byatarayanapura Sub Division

ADMINISTRATIVE APPROVAL

Accorded For Rs. Eighty five lakhs only

Head of A/c. P-1878

Div. Ref. No. 197/17-18 Date. 05/03/18

AE

EE(BTP) 5/03

Technical Sanction
Accorded For Rs. 85 lakhs only
Head of A/c. P1878
CSR No. TS/743/17-18 05/03/18

TA CE (YNK)